

Title (en)

Voltage multiplier with linear stabilized output voltage

Title (de)

Spannungsvervielfacher mit linearstabilisierten Ausgangsspannung

Title (fr)

Multiplicateur de tension avec tension de sortie stabilisée lineairement

Publication

EP 0700146 B1 20000524 (EN)

Application

EP 94830413 A 19940831

Priority

EP 94830413 A 19940831

Abstract (en)

[origin: EP0700146A1] An output voltage stabilisation circuit for a voltage multiplier of the type comprising a first charge transfer capacitor (C1) designed to take and transfer electrical charges from the input terminal (IN) to the output terminal (OUT) of a second capacitor (C2) for charge storage connected between the output terminal (OUT) and ground comprises an integrator designed to generate a continuous voltage corresponding to the difference between a reference voltage (V_{ref}) and the output voltage (V_{out}) of the voltage multiplier and said continuous voltage is applied to one terminal of said charge transfer capacitor (C1). <MATH>

IPC 1-7

H02M 3/00; **H02M 3/07**

IPC 8 full level

H01L 27/04 (2006.01); **H01L 21/822** (2006.01); **H02M 3/07** (2006.01)

CPC (source: EP US)

H02M 3/07 (2013.01 - EP US); **H02M 1/0045** (2021.05 - EP US)

Cited by

US5939866A; EP1271756A1; EP0952661A3; DE19752985A1; EP1202439A3; US6717829B2; US6522192B1; WO9845931A1; WO0239568A3; WO9950862A1; EP0772283A1

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 94830413 A 19940831; DE 69424668 T 19940831; JP 22351895 A 19950831; US 41427795 A 19950331